

SAFETY DATA SHEET

SDS DATE: March 17, 2021



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: DIRK1A/1B inhibitor AnnH31

PRODUCT CODES: Cat# B3287-100, -500

RESTRICTIONS ON USE: For laboratory research purposes. Not for drug or household use.

MANUFACTURER: BioVision, Inc.

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SECTION 2: HAZARDS IDENTIFICATION

Product Name/Chemical Name	Description	Volume	Safety Information
DIRK1A/1B inhibitor AnnH31	Solid	B3287-100: 100 µg B3287-500: 500 µg	See below

DIRK1A/1B inhibitor AnnH31:

Emergency Overview:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Serious Eye Damage/Eye Irritation, Category 2, H319

GHS Label elements, including precautionary statements



Pictogram:

Signal word:

Warning

Hazard statement(s):

H319 - Causes serious eye irritation.

Precautionary statement(s):

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

HMIS Classification

Health hazard: 1

Flammability: 0

Physical hazards: 0

NFPA Rating

Health Hazard: 1

Fire: 0

Reactivity Hazard: 0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	EC-No.	Molecular Weight	Chemical Formula	Concentration
DIRK1A/1B inhibitor AnnH31	241809-12-1	--	251.3	C ₁₅ H ₁₃ N ₃ O	100%

SECTION 4: FIRST AID MEASURES

General advice: Consult a doctor and show this safety data sheet.

If inhaled: Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

In case of skin contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In case of eye contact: Flush with copious amounts of water for at least 15 minutes. Consult a doctor.

If swallowed: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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Special protective equipment for fire fighters: Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

Special hazards arising from the substance or mixture: Burning produces irritating, toxic and obnoxious fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

Environmental precautions: Do not allow product to enter drains. Prevent further spillage if safe.

Methods for cleaning up: Avoid raising dust. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

Conditions for safe storage: -20 °C. Protect from light.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values

Exposure Controls

Engineering controls (Ventilation etc.)

Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N10 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Wear appropriate protective clothing.

Eye protection

Use appropriate safety glasses.

Work/Maintenance Practices

Do not take internally. Facilities storing or utilizing this material should be equipped with an eye wash and a safety shower. Wash thoroughly after handling

Hygiene measures

General industrial hygiene practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	DIRK1A/1B inhibitor AnnH31
Appearance and Odor:	Off-white solid
pH:	No data available
Water Solubility:	No data available
Other Solubility:	DMSO
Boiling Point (°C):	No data available
Melting Point (°C):	No data available
Flash Point (°C):	No data available
Ignition Temperature (°C):	No data available
Density:	No data available
Flammability (solid, gas)	No data available
Explosive limits	LEL: No data UEL: No data
Vapor pressure (vs. Air or mmHg)	No data available
Vapor Density (vs. Air = 1)	No data available
Specific Gravity (Water = 1)	No data available
Octanol/Water Partition	No data available
Decomposition Temperature	No data available
Viscosity	No data available

SECTION 10: STABILITY AND REACTIVITY

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Property	DIRK1A/1B inhibitor AnnH31
Reactivity	No data available
Chemical stability	Stable under recommended storage conditions
Polymerization	No data available
Conditions to avoid:	No data available
Materials to avoid:	No data available
Hazardous decomposition products:	Carbon oxides. Nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION

DIRK1A/1B inhibitor AnnH31:

Acute toxicity: Classified based on available data

Skin corrosion/irritation: Classified based on available data

Serious eye damage/eye irritation: Classified based on available data

Respiratory or skin sensitization: Classified based on available data

Germ cell mutagenicity: Classified based on available data

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Classified based on available data

Teratogenicity: Classified based on available data

Specific target organ toxicity – single exposure (GHS): Classified based on available data

Specific target organ toxicity – repeated exposure (GHS): Classified based on available data

Aspiration hazard: Classified based on available data

Potential Health Effects

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest

Skin: There may be mild irritation at the site of contact.

Eyes: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Additional Information: RTECS No: No data available

SECTION 12: ECOLOGICAL INFORMATION

DIRK1A/1B inhibitor AnnH31:

Persistence and degradability: No data available

Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

Bio accumulative potential: No data available

Mobility in soil: No data available

PBT and vPvB assessment: No data available

Other adverse effects: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose in accordance with local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

DIRK1A/1B inhibitor AnnH31:

DOT (US): Not dangerous goods.

IMDG: Not dangerous goods

IATA: Not dangerous goods

Additional Transport Information: Transport in accordance with local, state, and federal regulations.

SECTION 15: REGULATORY INFORMATION

DIRK1A/1B inhibitor AnnH31:

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

SARA 302 Components: SARA 302: No chemical in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title II, Section 313.

SARA 311/312 Hazards: No data available

Massachusetts Right To Know Components: No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components: No data available

New Jersey Right To Know Components: No data available

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California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Regulatory Information Statement: This SDS was prepared in accordance with 29 CFR 1910.1200 and Regulation (EC) No.1272/2008



SECTION 16: OTHER INFORMATION

DISCLAIMER:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BioVision, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.